

COMBINED DECLARATION AND POWER OF ATTORNEY

OPIE JC66
MAY 03 2002
PATENT & TRADEMARK OFFICE

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled MUTATIONS ASSOCIATED WITH IRON DISORDERS, the specification of which

is attached hereto.

was filed on March 26, 1999 as Application Serial No. 09/277,457
and was amended on _____

was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James R. Weisbrell, Reg. No. 31,678; Ingrid A. Beattie, Reg. No. 42,306; John W. Freeman, Reg. No. 29,066; J. Peter Fasse, Reg. No. 32,983; Y. Rocky Tsao, Reg. No. 34,053; and Eldora L. Elison, Reg. No. 39,967.

Address all telephone calls to Ingrid A. Beattie at telephone number 617/542-5070.

Address all correspondence to Ingrid A. Beattie, Fish & Richardson P.C., 225 Franklin Street, Boston, MA 02110-2804

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full Name of Inventor: Barry E. Rothenberg

Inventor's Signature: _____ Date: _____

Residence Address: 149 12th Street, Delmar, California 92014

Citizen of U.S.A.

Post Office Address: Delmar, California

BEST AVAILABLE COPY

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Full Name of Inventor: Ritsuko Sawada-Hirai

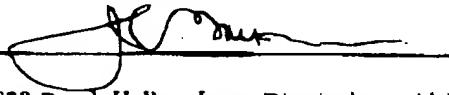
Inventor's Signature: _____ Date: _____

Residence Address: 13539 JadeStone Way, San Diego, California 92130

Citizen of: Japan

Post Office Address: San Diego, California

Full Name of Inventor: James C. Barton

Inventor's Signature:  Date: 7/1/99

Residence Address: 3828 Brock Hollow Lane, Birmingham, Alabama 35209

Citizen of: U.S.A.

Post Office Address: Birmingham, Alabama

164308 B11

BEST AVAILABLE COPY

#6

JUL 27 2000

To: Ingrid Beattie

From: Ritsuko Soma-Hirai, Ph.D.

PATENT

ATTORNEY DOCKET NO: 10653/002001



COMBINED DECLARATION AND POWER OF ATTORNEY

I, the below named inventor, I hereby declare that:
My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled MUTATIONS ASSOCIATED WITH IRON DISORDERS, the specification of which:

is attached hereto.

was filed on March 26, 1999 as Application Serial No. 09/277,157

and was filed on _____

was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56.

I hereby appoint the following attorneys and/or agents to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James R. Witherell, Reg. No. 31,678; Ingrid A. Beattie, Reg. No. 42,306; John W. Freeman, Reg. No. 29,066; J. Peter Page, Reg. No. 32,933; Y. Rocky Tsao, Reg. No. 34,053; and Eldora L. Ellsor, Reg. No. 39,967.

Address all telephone calls to Ingrid A. Beattie at telephone number 617/542-5070.

Address all correspondence to Ingrid A. Beattie, Fish & Richardson P.C., 223 Franklin Street, Boston, MA 02110-2804.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like are made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor Barry A. Rothenberg

Inventor's Signature: Barry A. Rothenberg Date: 6/30/99

Residence Address: 119 12th Street, Delmar, California, 92014

Citizen of U.S.A.

Post Office Address: Delmar, California

BEST AVAILABLE COPY

Received August 23, 1999 (10014-1-96)



06/30/00 482544-00 FAX 6175128006

F&R PC BOSTON

2001

COMBINED DECLARATION AND POWER OF ATTORNEY CONTINUED

Full Name of Inventor: Hiroyuki Sawada-Hiroki

Inventor's Signature: Hiroyuki Sawada-Hiroki Date: 11/27/99

Residence Address: 13539 JadeStone Way, San Diego, California 92130

Citizen of: Japan

Post Office Address: San Diego, California

Full Name of Inventor: James C. Barron

Inventor's Signature: _____ Date: _____

Residence Address: 3828 Brook Hollow Lane, Birmingham, Alabama 35209

Citizen of: U.S.A.

Post Office Address: Birmingham, Alabama

BEST AVAILABLE COPY